

WO 2004/058963

PCT/IN2003/000397

## SEQUENCE LISTING

<110> Department of Plant Molecular Biology, University of Delhi, South Campus  
Tyagi, Akhilesh

<120> A novel gene OSISAP1 of rice confers tolerance to stresses and a method thereof

<130> PCT011DU

<160> 2

<170> PatentIn version 3.1

<210> 1

<211> 844

<212> DNA

<213> Oryza sativa

```

<400> 1
gatctctcct gcaatcctca tcacacagca aacccaaacc gcgagcggaa tcctcagcct      60
gctgagagag cctgagacca agagggggat tcttttttgg ttattgacga tggcgcagcg      120
cgacaagaag gatcaggagc cgacggagct cagggcgccg gagatcacgc tgtgcgccaa      180
cagctgcgga ttcccgggca acccggccac gcagaacctc tgccagaact gcttcttggc      240
ggccacggcg tccacctcgt cgccgtcttc tttgtcgtca ccggtgctcg acaagcagcc      300
gccgaggccg gcggcgccgc tggttgagcc tcaggctcct ctcccaccgc ctgtggagga      360
gatggcctcc gcgctcgca cggcgccggc gccggtcgcc aagacgctcg cggtgaaccg      420
gtgctccagg tgccggaagc gtgtcggcct caccgggttc cggtgccggt gcggccacct      480
gttctgcggc gaacaccggt actccgaccg ccacggctgc agctacgact acaagtcggc      540
ggcaagggac gccatcgcca gggacaaccc ggtggtgcgc gcggccaaga tcgttagggt      600
ctgagaggca aacaaaatta aaaaaaaaaat ctactgtttt agcaagaaat ggagaaaaaa      660
attggaatt gaaggtgtgg atgttattat tatgtgttcc tcttctcgca attgtttttc      720
cctttttatt ctttttaatt gcaaacggga ggataagtgg tggaaaagga atagtgtaac      780

```

aataatggtg atgtgaggtg gttgagggaa aaagaatcga agaacaaaaa aaaaaaaaaa 840  
 aaaa 844

<210> 2

<211> 164

<212> PRT

<213> Oryza sativa

<400> 2

Met Ala Gln Arg Asp Lys Lys Asp Gln Glu Pro Thr Glu Leu Arg Ala  
 1 5 10 15

Pro Glu Ile Thr Leu Cys Ala Asn Ser Cys Gly Phe Pro Gly Asn Pro  
 20 25 30

Ala Thr Gln Asn Leu Cys Gln Asn Cys Phe Leu Ala Ala Thr Ala Ser  
 35 40 45

Thr Ser Ser Pro Ser Ser Leu Ser Ser Pro Val Leu Asp Lys Gln Pro  
 50 55 60

Pro Arg Pro Ala Ala Pro Leu Val Glu Pro Gln Ala Pro Leu Pro Pro  
 65 70 75 80

Pro Val Glu Glu Met Ala Ser Ala Leu Ala Thr Ala Pro Ala Pro Val  
 85 90 95

Ala Lys Thr Ser Ala Val Asn Arg Cys Ser Arg Cys Arg Lys Arg Val  
 100 105 110

Gly Leu Thr Gly Phe Arg Cys Arg Cys Gly His Leu Phe Cys Gly Glu  
 115 120 125

His Arg Tyr Ser Asp Arg His Gly Cys Ser Tyr Asp Tyr Asn Ser Ala  
 130 135 140

Ala Arg Asp Ala Ile Ala Arg Asp Asn Pro Val Val Arg Ala Ala Lys  
 145 150 155 160

Ile Val Arg Phe